Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Zone Project Division

Name of Work :- Construction of lead of drain to connect strom water drain at Dasarahalli in Ward No.06 | **Estimate Cost Rs.** | **10.00 Lakhs**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	Basic rate 180.00								
	Area weightage 6% 10.80								
	Sub total 190.80								
	Lead 10 km **82.60**								
	Total **273.40**							**273.40**	**27,180.74**
	Drain	1	38.00	1.75	1.50	99.42			
						99.42	**Cum**		
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. (P.No.7, I.No.2.15 of PW,P&IWTD S.R 2018-19)								
	Basic rate 2429.00								
	Area weightage 6% 145.74								
	Total **2574.74**								
	Drain	1	38.00	1.80	0.30	20.45			
						20.45	**Cum**	**2574.74**	**52,657.55**
3	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)								
	Basic rate 5194.00								
	Area weightage 6% 311.64								
	Total **5505.64**								
	Drain	1	38.00	2.00	0.15	11.40			
						11.40	**Cum**	**5505.64**	**62,764.30**
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19) wall & bottom thickness 15cm.								
	Basic rate 5444.00								

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No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Area weightage 6%	326.64							
	Total	**5770.64**							
	Drain					17.10			
	Bottom slab	1	38.00	1.80	0.25	22.80			
	Drain Walls	2	38.00	0.20	1.50	**39.90**	Cum	5770.64	230248.54
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I No-4.31,P No 15)								
	Basic rate	358.00							
	Area weightage 6%	21.48							
	Total	**379.48**				228.00			
	Drain	4	38.00		1.50	**228.00**	Sqm	379.48	86,521.44
6	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area weightage 6%	4188.24							
	Total	**73992.24**							
	For Drain					3.59			
	90Kg/Cum of Concrete		39.90	90.00		**3.59**	Tn	73992.24	265706.13
7	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	2337.00							
		1	38.00	1.80		68.40			
						68.40	Sqm	2337.00	159850.80
								Total Construction Cost	884929.50
								1% PMC Charges	8,849.29
								12% GST	106191.54
								Sub Total	999970.33
								Miscellaneous & Rounding off	29.67
								GRAND TOTAL	1000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer,
BBMP Bangalore

Asst. Exec. Engineer,
BBMP Bangalore

Executive Engineer,
BBMP Bangalore
15/7/19

Administrative Approval

Accorded For Rs:10.00 Lakhs Only
Head of A/C P-3297
CER NO : 07 Dt: 15/7/19

L.E. (Project) 15/7

Technical Sanction

Accorded For Rs-10.00 lakhs on
Head of A/C P-3297
CER NO : 06 Dt: 15/7/19

L.E. (Project) 15/7

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